

Amendments to the Claims:

The following claims will replace all prior versions of the claims in this application (in the unlikely event that no claims follow herein, the previously pending claims will remain):

1–10. (Cancelled).

11. (Previously Presented) A hotmelt adhesive comprising a polyurethane obtained by reacting a polyisocyanate, a polyester formed from a dimer fatty acid and/or dimer fatty diol, and a chain extender, wherein the polyester is additionally formed from a 1,4:3,6 dianhydrohexitol and/or the chain extender comprises a 1,4:3,6 dianhydrohexitol.

12. (Currently Amended) A ~~polyurethane~~ hotmelt adhesive according to claim 11 wherein, in the reactants from which said polyurethane is obtained, the chain extender comprises a 1,4:3,6 dianhydrohexitol, and optionally the polyester is additionally formed from a 1,4:3,6 dianhydrohexitol.

13. (Currently Amended) A ~~polyurethane~~ hotmelt adhesive according to claim 11 wherein, in the reactants from which said polyurethane is obtained, the polyester is additionally formed from a non-dimer acid, and the weight ratio of dimer fatty acids to non-dimer acids in said polyester is in the range from 30:70% to 70:30% ~~by weight of the total dicarboxylic acids~~.

14. (Currently Amended) A ~~polyurethane~~ hotmelt adhesive according to claim 13 wherein, in the reactants from which said polyurethane is obtained, the non-dimer acid in said polyester comprises adipic acid.

15. (Currently Amended) A ~~polyurethane~~ hotmelt adhesive according to claim 11 wherein, in the reactants from which said polyurethane is obtained, the polyester is formed essentially from dimer fatty acid, adipic acid and 1,6-hexylene glycol.

16. (Currently Amended) A ~~polyurethane~~ hotmelt adhesive according to claim 11 wherein said polyurethane consists of 10 to 40% by weight of the dimer fatty acid content residues of the polyurethane ~~is in the range from 10 to 40% by weight.~~

17. (Currently Amended) A ~~polyurethane~~ hotmelt adhesive according to claim 11 wherein said polyurethane consists of 2 to 10% by weight of the 1,4 :3,6 dianhydrohexitol content residues of the polyurethane ~~is in the range from 2 to 10% by weight.~~

18. (Currently Amended) A ~~polyurethane~~ hotmelt adhesive according to claim 11 wherein, in the reactants from which said polyurethane is obtained, the 1,4 :3,6 dianhydrohexitol comprises isosorbide.

19. (Currently Amended) A ~~polyurethane~~ hotmelt adhesive according to claim 11 wherein ~~the~~ having a green strength value is of greater than 50 kPa after 1 minute, and/or greater than 200 kPa after 5 minutes, and/or greater than 300 kPa after 30 minutes.

20. (Currently Amended) A ~~polyurethane~~ hotmelt adhesive according to claim 11 wherein ~~the~~ having a tensile strength is in the range from 30 to 200 KGCM2kg/cm² and/or ~~the~~ an elongation at break is in the range from 250 to 550%.

21. (Currently Amended) A process for preparing a hotmelt adhesive comprising a polyurethane, wherein said process ~~which comprises comprises:~~

- (i) reacting a polyisocyanate with a polyester formed from a dimer fatty acid and/or dimer fatty diol, to form an isocyanate-terminated prepolymer, and
- (ii) reacting the prepolymer with a chain ~~extender, extender;~~
to form said polyurethane and wherein the polyester is additionally formed from a 1,4:3,6 dianhydrohexitol and/or the chain extender comprises a 1,4:3,6 dianhydrohexitol.

22. (New) A hotmelt adhesive comprising a polyurethane obtained by reacting an isocyanate-terminated prepolymer and a chain extender, said prepolymer being obtained by reacting a polyisocyanate and a polyester formed from a dimer fatty acid and/or dimer fatty diol, and wherein the polyester is additionally formed from a 1,4:3,6 dianhydrohexitol and/or the chain extender comprises a 1,4:3,6 dianhydrohexitol.

23. (New) A hotmelt adhesive according to claim 22 wherein, in the reactants from which said polyurethane is obtained, the chain extender comprises a 1,4:3,6 dianhydrohexitol, and optionally, the polyester is additionally formed from a 1,4:3,6 dianhydrohexitol.

24. (New) A hotmelt adhesive according to claim 22 wherein, in the reactants from which said polyurethane is obtained, the polyester is formed essentially from dimer acid, adipic acid and 1,6-hexylene glycol and the chain extender comprises a 1,4:3,6 dianhydrohexitol.